

APPROVAL SHEETS

承 认 书

Customer (客户名称)

Your Part No. (客户料号)

Description (产品名称) Ferrite Core(抗干扰磁芯)

Product Name (产品型号) V18005

Our Part No. (产品编码)

Our Part No. (产品料号) 6080029039

Date (制作日期) Jun.3.2025

Approved by Customer
客 户 承 认

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SPECIFICATION

 电源滤波器/EMC抗干扰磁芯/EMC设计整改咨询
 EMI FILTER/FERRITE CORE/EMC DESIGN&DEBUG CONSULTING

2.Physical Dimensions (尺寸图) :

尺寸 Dimensions	
A	21.0±1.0mm
B	19.5±1.0mm
C	6.5±0.8mm
D	32.5±1.0mm

3. Material Characteristics (材质特性) :

材料 Mate-rial	初始磁导率 Initial Permeability	损耗因子 Relative Loss Factor	温度系数 Relative Temperature Coefficient	磁饱和密度 Saturation Magnetic Flux Density	剩磁 Reman-ence	矫顽力 Coercivity	居里温度 Curie Tempera-ture	电阻率 Electrical Resistivity	密度 Density
Unit symbol	μ_i ±20%	$\tan \delta/\mu_i$ $\times 10^{-6}$	$\alpha \mu_i \gamma$ $\times 10^{-6}$	Bs (MT)	Br (MT)	HC (A/m)	Tc (°C)	ρ (Ω.m)	d g/cm ³
VN09	850	16(0.1MHz)	5-10	280(1600A/m)	200	20	>130	>10 ⁻⁵	4.6

4. Electrical requirements (电气特性) :Z1=109 Ω Min at 25 MHz Z2=200 Ω Min at 100 MHz

5.The Limit of Breakage(外观标准)

OD(mm)	0~5	5.1~10	10.1~15	15.1~20	20.1~25	25.1~30	30.1~35	35以上	
缺陷面积 Defect area (mm ²)	≤1	≤2	≤3	≤4	≤5	≤6	≤7	≤8	
缺陷个数 Number of de fects(≤)	1	2	3	3	3	3	2	2	

Drawing By(制图)	Checked By(审核)	Approved By(核准)	Model.(型号)	Unit(单位)	Rev.(版本)
RD&Dept. 2025.06.03 Li Endi	RD&Dept. 2025.06.03 Tom Kuang	RD&Dept. 2025.06.03 Jet Wu	V18005	mm	Rev.4.0

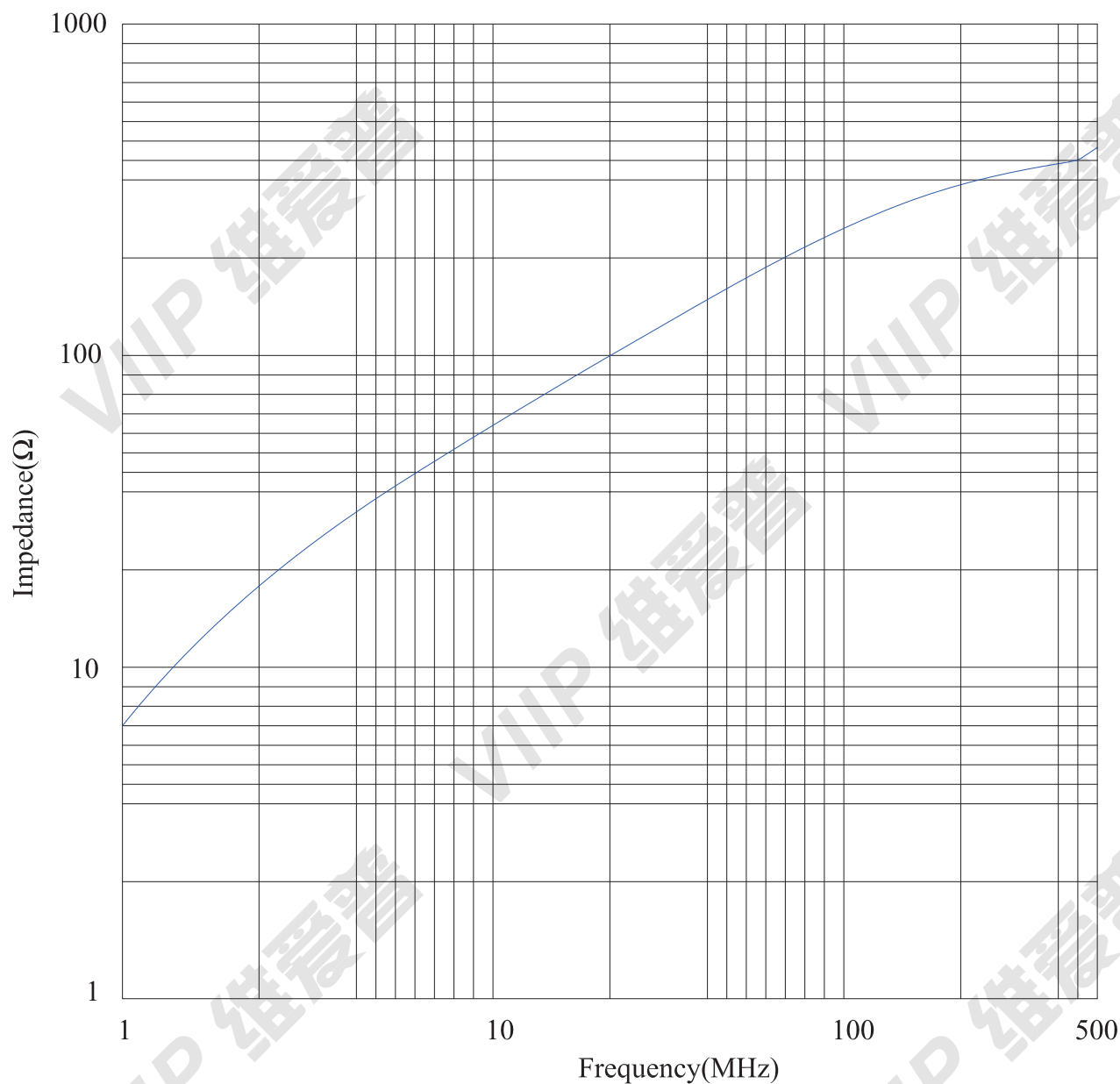
Tel : 0755-29170376

http: www.szviip.com



阻抗-频率测试曲线

Impedance V.S Frequency(Z-Y)



测试条件

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|----------|---------------------|
| 1.测试仪器 | E4991A + 16194A |
| 2.测试频率区间 | 1-500MHz |
| 3.测试线组 | Ø0.5x0.5TSx100L(mm) |



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检验数据

型号	V18005	绕组	Ø0.5x0.5TSx100L(mm)	测试频率	Z1= 25 KHz MHz	Z2= 100 KHz MHz	Z3= KHz MHz	Z4= KHz MHz					
项目	电气性能				尺寸(mm)								
	L(uH)	Z1(Ω)	Z2(Ω)	Z3(Ω)	Z4(Ω)	A	B	C	D	E	F	G	H
		109	200			21	19.5	6.5	32.5				
+	/	/			1.0	1.0	0.8	1.0					
-	0	0			1.0	1.0	0.8	1.0					
1	125.2	256.6			20.86	19.00	6.70	32.70					
2	124.6	257.0			20.79	19.08	6.73	32.55					
3	124.8	257.2			20.79	19.09	6.51	32.55					
4	125.3	256.8			20.81	18.91	6.61	32.56					
5	125.4	256.4			20.82	18.97	6.63	32.54					
6	124.2	257.2			20.88	19.03	6.52	32.60					
7	124.5	257.6			20.85	18.99	6.56	33.56					
8	125.0	256.4			20.86	19.04	6.55	33.58					
9	125.4	256.2			20.88	18.98	6.59	33.62					
10	124.5	257.3			20.87	19.04	6.61	33.64					
$\bar{X}$	124.89	256.87			20.84	19.01	6.60	33.59					
Y/N	Y	Y			Y	Y	Y	Y					

测试仪器：E4991A + 16194A

